



US007822188B1

(12) **United States Patent**  
**Kirchhoff et al.**

(10) **Patent No.:** **US 7,822,188 B1**  
(45) **Date of Patent:** **Oct. 26, 2010**

(54) **METHODS AND APPARATUS FOR  
PROVIDING EXPANDED  
TELECOMMUNICATIONS SERVICE**

(75) Inventors: **Leland W. Kirchhoff**, Santa Barbara, CA (US); **David S. Trandal**, Santa Barbara, CA (US); **Colin Kelley**, Santa Barbara, CA (US); **David J. Brahm**, The Woodlands, TX (US); **Robert F. Smith**, Santa Barbara, CA (US); **David Frank Hofstatter**, Santa Barbara, CA (US); **Robert A. Dolan**, Santa Barbara, CA (US)

(73) Assignee: **Callwave, Inc.**, Santa Barbara, CA (US)

(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 1069 days.

(21) Appl. No.: **11/526,200**

(22) Filed: **Sep. 22, 2006**

**Related U.S. Application Data**

(63) Continuation-in-part of application No. 11/294,682, filed on Dec. 5, 2005, now Pat. No. 7,555,110, which is a continuation-in-part of application No. 11/062,182, filed on Feb. 18, 2005, now Pat. No. 7,397,910, which is a continuation of application No. 10/255,567, filed on Sep. 26, 2002, now Pat. No. 6,898,275, which is a continuation of application No. 09/539,375, filed on Mar. 31, 2000, now Pat. No. 6,477,246, application No. 11/526,200, which is a continuation-in-part of application No. 10/439,601, filed on May 16, 2003, now Pat. No. 7,103,167.

(60) Provisional application No. 60/127,434, filed on Apr. 1, 1999, provisional application No. 60/382,257, filed on May 20, 2002, provisional application No. 60/633,594, filed on Dec. 6, 2004, provisional application No.

60/634,124, filed on Dec. 8, 2004, provisional application No. 60/639,095, filed on Dec. 23, 2004, provisional application No. 60/659,265, filed on Mar. 7, 2005, provisional application No. 60/719,635, filed on Sep. 22, 2005.

(51) **Int. Cl.**  
**H04M 3/42** (2006.01)  
(52) **U.S. Cl.** ..... **379/211.02**; 379/88.11  
(58) **Field of Classification Search** ..... 379/211.02, 379/88.11, 88.25, 93.23  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

3,936,613 A 2/1976 Nishigori et al.

(Continued)

**FOREIGN PATENT DOCUMENTS**

CA 1329852 5/1994

(Continued)

**OTHER PUBLICATIONS**

International Search Report dated May 19, 2003.

(Continued)

*Primary Examiner*—Creighton Smith

(74) *Attorney, Agent, or Firm*—Knobbe, Martens, Olson & Bear LLP

(57) **ABSTRACT**

The present invention provides flexible call processing. For example, a call processor system can receive an inbound call intended for a called party and place an outbound call to the called party. The call processing system can provide the called party with a call transfer option.

**57 Claims, 36 Drawing Sheets**

